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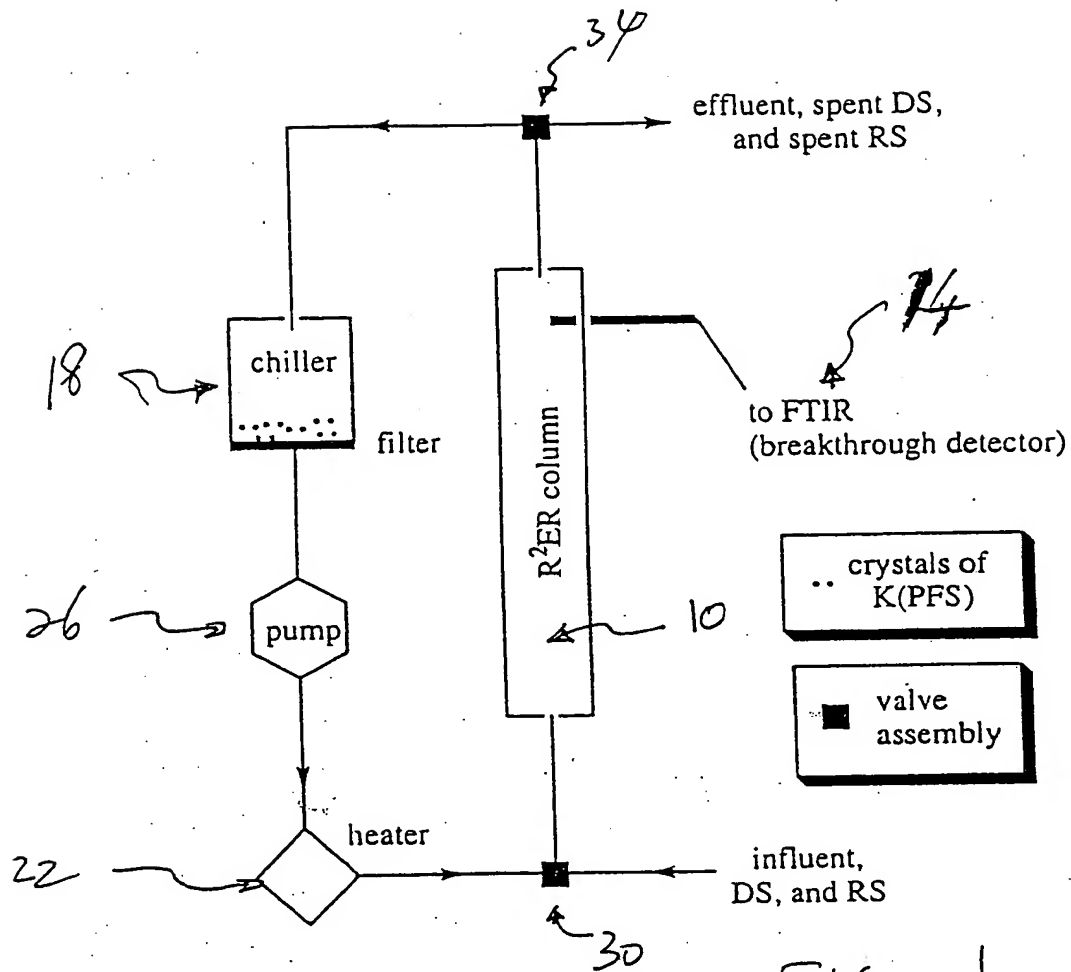
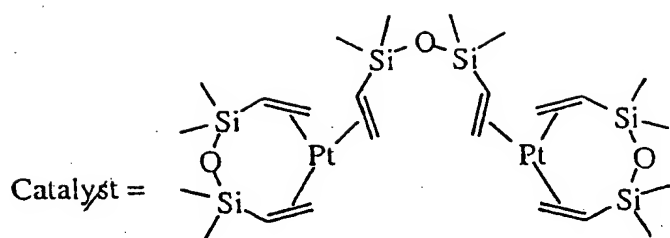
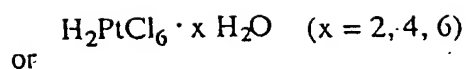


FIG. 1

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Karstedt's Catalyst



Speier's Catalyst

Pg. 2

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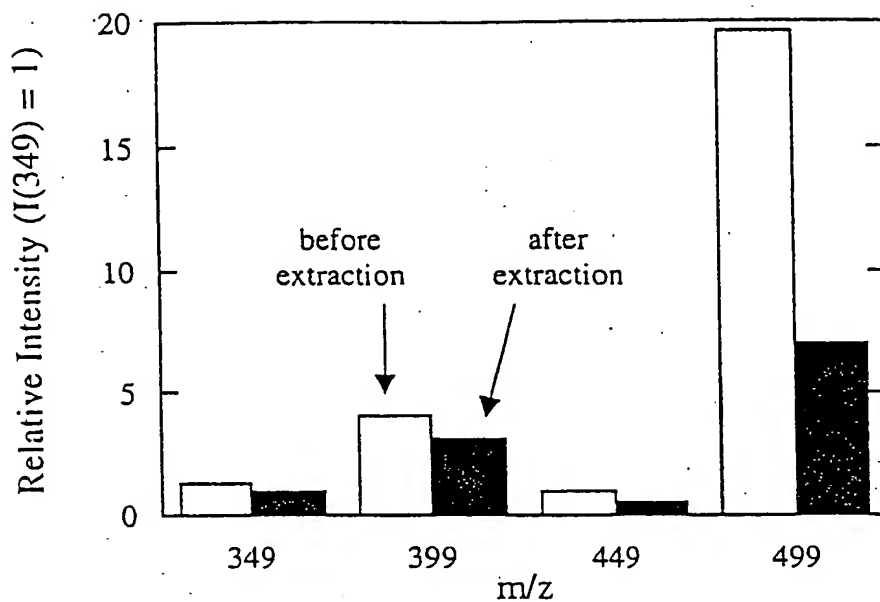


Figure 3 Concentration of PFS anions before and after extraction with  $\text{HEP}^+\text{NO}_3^-/\text{XAD-7}$ . The error bars represent  $\pm 3\sigma$ . The  $m/z$  values for PFS-5, PFS-6, PFS-7, and PFS-8 are 349, 399, 449, and 499, respectively (PFS-8 =  $\text{C}_8\text{F}_{17}\text{SO}_3^-$ ).

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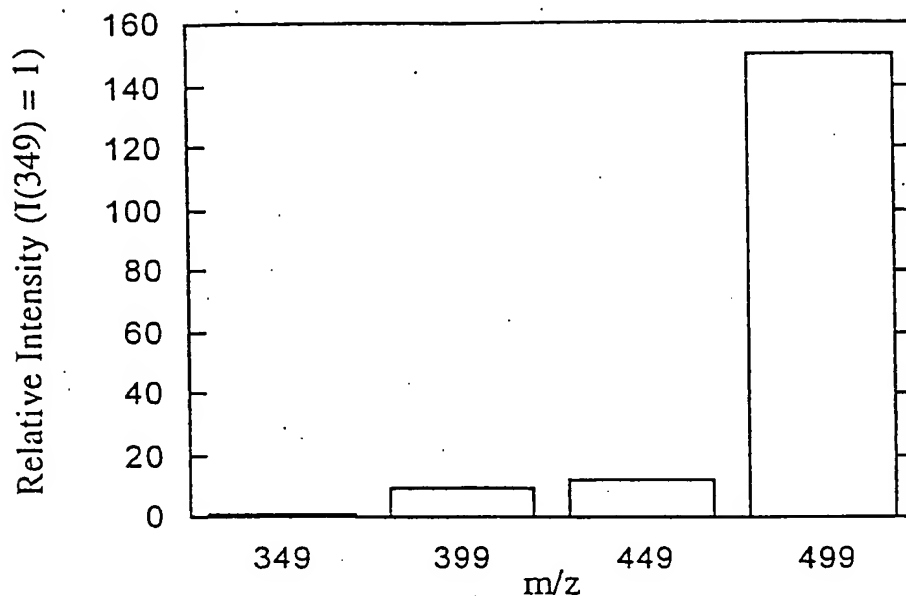


Figure 4. Relative NIEMS intensities of PFS anions found in cold trap. Note that the intensity, and hence the concentration, of PFS-7 in the cold-trap sample is much greater than the intensity of PFS-6 relative to a sample of the FC-95 starting material, in which the concentration ratio PFS-7/PFS-6 is approximately 0.25.

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